

## Concept Sheet

~ 7 rows when we're done...

We'll fill in two terms (rows) today.

Concept	Meaning	Sym- bol	Units	Picture
<b>PITCH</b> → FREQUENCY	HOW MANY PER UNIT OF TIME $\text{FREQ} = \frac{\#}{\text{TIME}}$	$f$ $f = \frac{1}{T}$	hertz $\text{Hz} = \frac{1}{\text{sec}}$	$\therefore$
PERIOD	HOW MUCH TIME FOR ONE. $\text{PERIOD} = \frac{\text{TIME}}{\#}$	$T$ $T = \frac{1}{f}$	Seconds sec.	
TRANSVERSE: WHEN THE MEDIUM VIBRATES <u>ACROSS</u> THE <u>DIRECTION</u> ON THE WAVE TRAVELS.				
<b>LOUDNESS</b> → LONGITUDINAL: WHEN THE MEDIUM VIBRATES <u>ALONG</u> THE <u>DIRECTION</u> THE WAVE TRAVELS.				
AMPLITUDE	HOW FAR FROM THE MIDDLE.	$A$	meters m	
WAVELENGTH	HOW FAR FOR ONE "BACK & FORTH"	$\lambda$	meters m	
WAVE SPEED	$\frac{\text{DISTANCE OF A WAVE}}{\text{TIME OF A WAVE}}$ $V = \frac{\lambda}{T}$	$V$ $V = \lambda f$	$\frac{\text{meters}}{\text{second}}$ m/s	

Feb 18-6:50 AM

# Welcome!!!

H. Leslie Grebe

\* Pick up:

- half sheet for brainstorm
- slip of paper (for later)



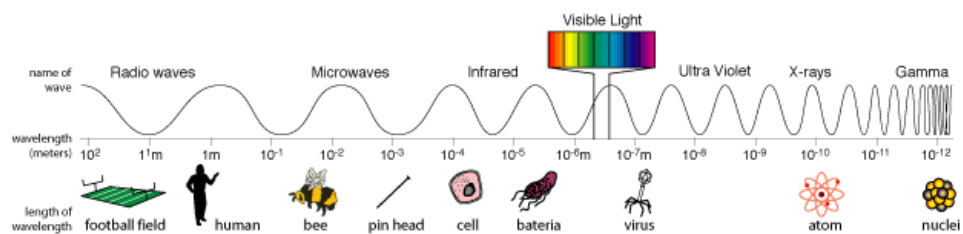
Opening Question:

What do you think you know about light?

Centering

Sep 7-7:04 AM

## Is there light we can't see?

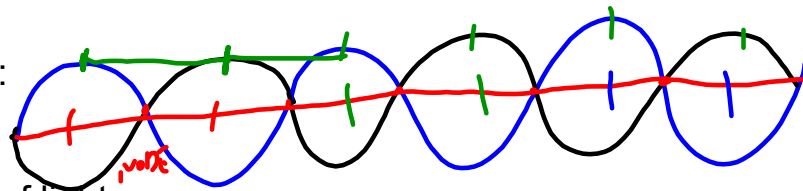


May 16-7:50 AM

### Measuring the speed of light...

- \* What does  $v = f \cdot \lambda$  mean?
- \* Frequency of our microwave?
- \* Distance between hot spots?

\* Picture:

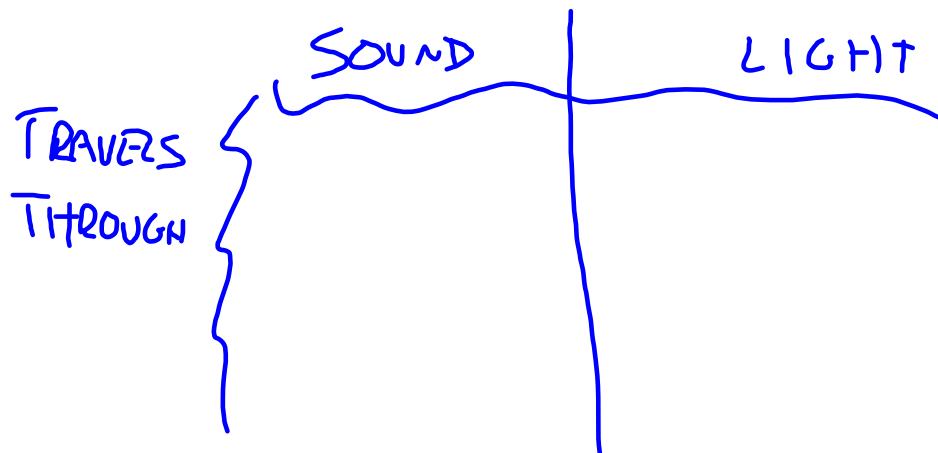


\* Speed of light =

May 11-7:32 AM

### Seeking information

- \* Work as a table / group of 2-3
- \* Use books and each others' brains
- \* It's okay to guess and/or be wrong as long as you're thinking



May 11-7:32 AM

Sound	Light
Frequencies	
Reflected	
Speed	
Range	

May 23-8:21 AM

Daily 3 Questions	CP: Sound worksheet due Friday 5/16								
<div><ul style="list-style-type: none"><li>* Every day except test/project days</li><li>* 3 Questions on the topics of the day</li><li>* Main source of daily points</li><li>* I am happy to give credit when I have no concerns about someone giving or getting help with the answers.</li></ul></div>									
Your can't get your points if you don't have your NAME!!!									
<table><tr><th>Name</th><th>Period</th></tr><tr><td>1.</td><td></td></tr><tr><td>2.</td><td></td></tr><tr><td>3.</td><td></td></tr></table>		Name	Period	1.		2.		3.	
Name	Period								
1.									
2.									
3.									

Sep 9-7:32 AM

1) What was the **distance** between hot spots in our marshmallows?

2) What was the **frequency** emitted by the microwave?

3) Is there light we can't see?

Apr 25-7:25 AM